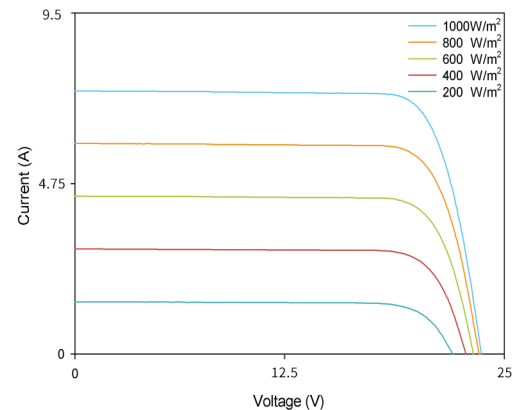


# OMNIA SERIES POLY 160 WATT

ELECTRICAL PARAMETERS			STC	NOCT
Power Output	$P_{max}$	W	160	116.48
Power Output Tolerances	$\Delta P_{max}$	%	-5%~+10%	-5%~+10%
Voltage at Pmax	$V_{mpp}$	V	19.44	18.16
Current at Pmax	$I_{mpp}$	A	8.23	6.42
Open-Circuit Voltage	$V_{oc}$	V	22.5	21.02
Short Circuit Current	$I_{sc}$	A	8.99	7.24
Max System	$V_{sys}$	V	60	60

STC : 1000W/m<sup>2</sup>, 25°C, 1.5AM

NOCT : 800W/m<sup>2</sup>, 45±2°C, 1m/s wind speed



## Temperature Characteristics

Nominal Operating Cell Temperature	NOCT	°C	45 ± 2 °C
Temperature Coefficient of Pmax	$\gamma$	%/°C	-0.45
Temperature Coefficient of Voc	$\beta_{voc}$	%/°C	-0.33
Temperature Coefficient of Isc	$\alpha_{isc}$	%/°C	+0.039
Temperature Coefficient of Vmpp	$\beta_{vmpp}$	%/°C	-0.33

## Mechanical Characteristics

Cell Type	Poly Crystalline Silicon
Module Dimension (mm)	L665 x W1,477 x H30
Module Weight	12.97 kg
Front Layer	3.2 mm Tempered Glass
Encapsulant	Ethylene-Vinyl Acetate
Frame	Anodized Alluminum Alloy, Silver Color, 30 mm
Junction Box	IP 64
Cable	12 AWG
Back Layer	PV Backsheet, White

## Packaging

Quantity per Pallet	35
Pallet Dimension (mm)	L1,150 x W1,509 x H827
Net Weight per Pallet	453.95 kg
Gross Weight per Pallet	503.95 kg
Quantity in 20" CNTR	480

## Warranty

Certification	ISO 9001, ISO 14000, ISO 45001 TUV, CE, RoHS, REACH
Product	5 years

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